

90

94

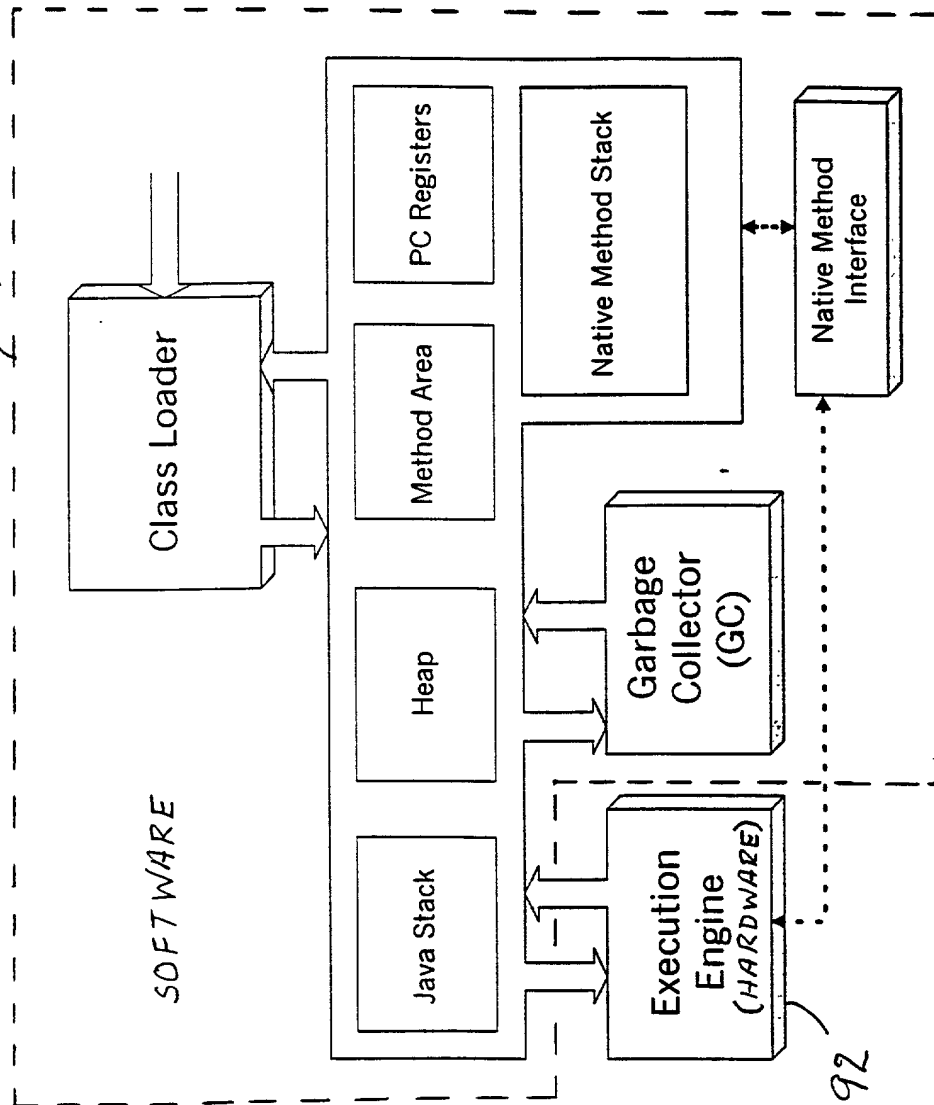


FIG. 1

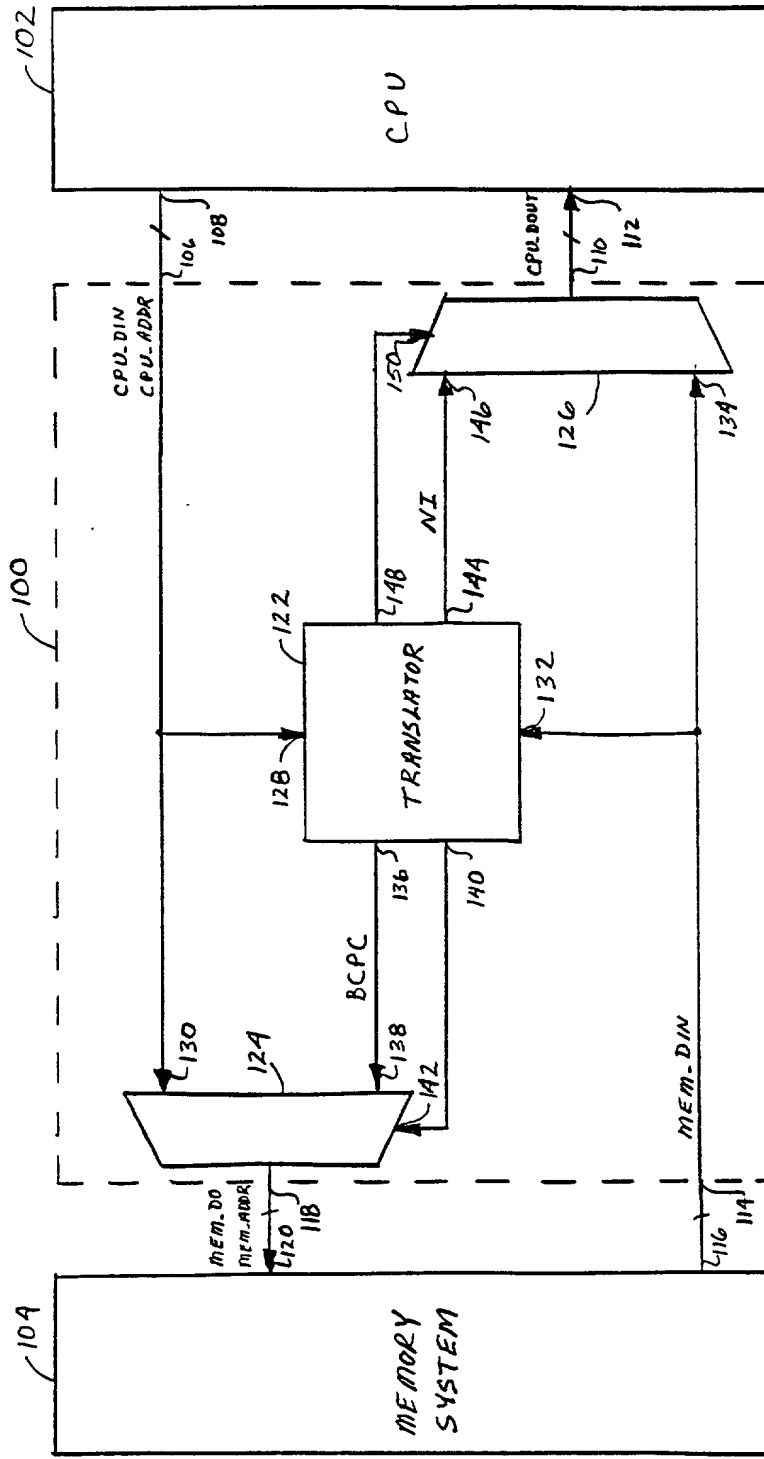


FIG. 2

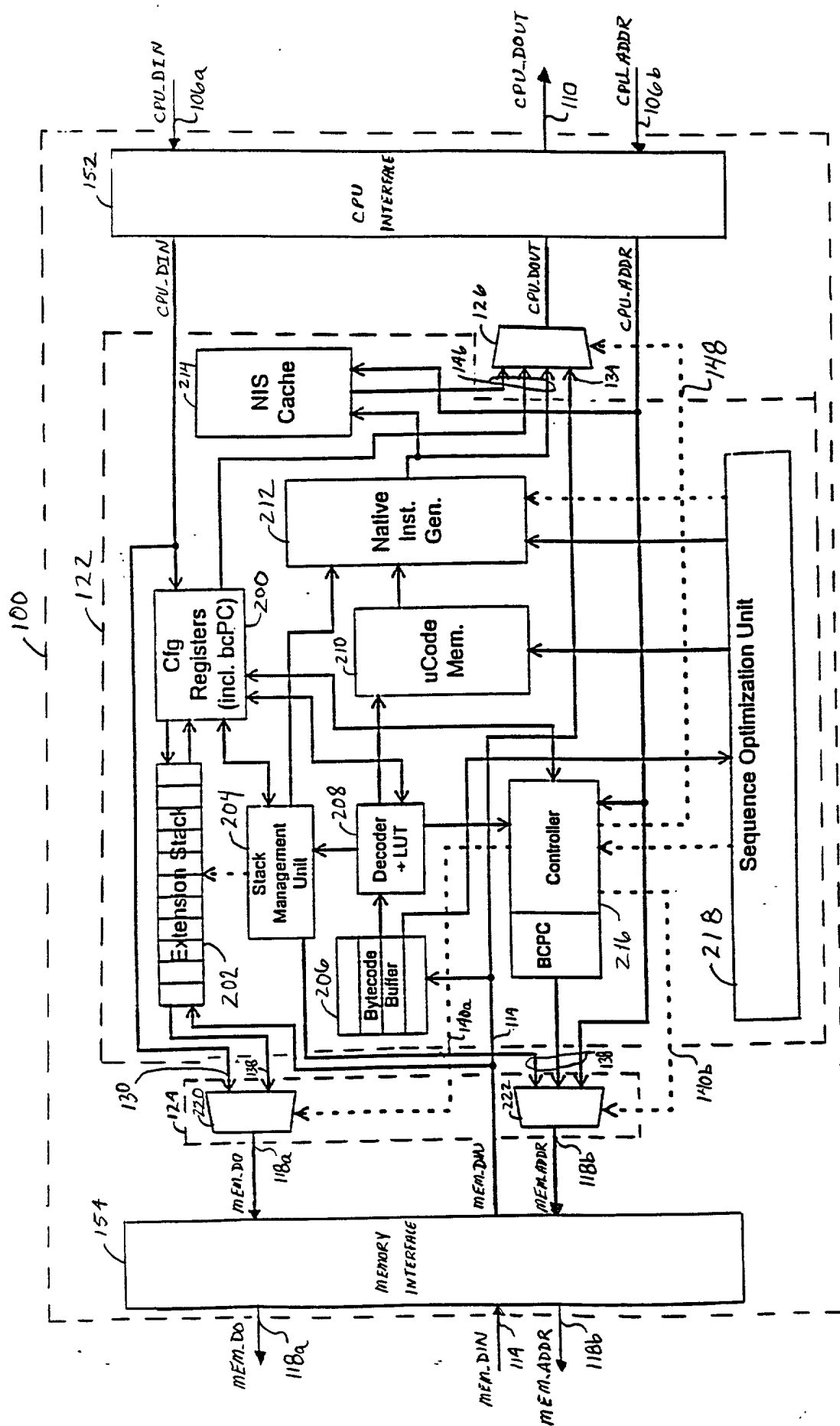


FIG. 3

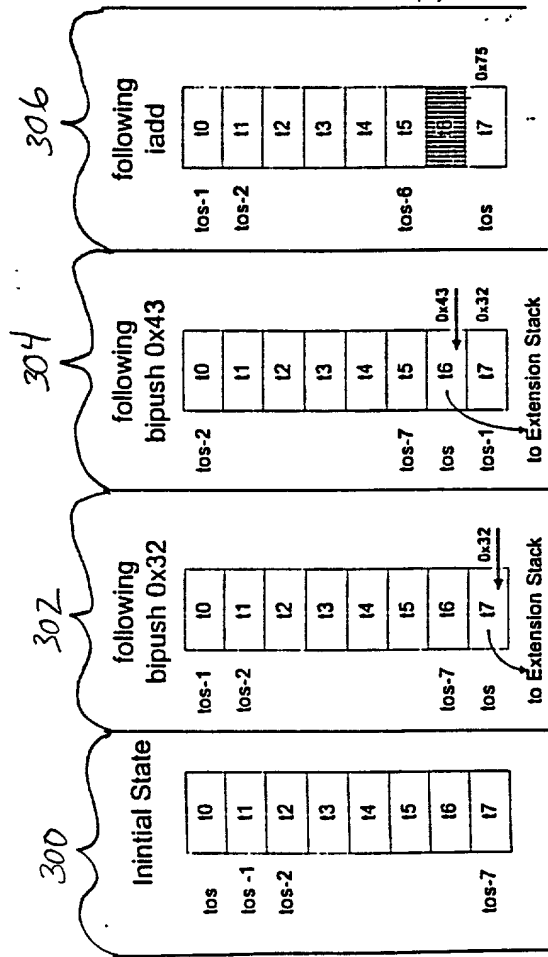


Figure 3 Stack Behavior

FIG. 4

Fetch	Decode	Interpret	Synthesize
-------	--------	-----------	------------

bc 1

Fetch	Decode	Interpret	Synthesize
-------	--------	-----------	------------

bc 2

Fetch	Decode	Interpret	Synthesize
-------	--------	-----------	------------

bc 3

FIG. 5

		Cycle #1	Cycle #2	Cycle #3	Cycle #4	Cycle #5	Cycle #6	Cycle #7	Cycle #8	Cycle #9	Cycle #10
	bcPC	00	04	08	36						
350	Fetch	00-03	04-07	08-11							
	Decode		00	01-02	03-05	06-08					
	Interpret			00	01-02	03-05	06-08				
	Synth.				00	01-02	03-05	06-08			
352	Fetch				36-3A						
	Decode				37						
354	PC					010	0011	0112	0013	0114	0115
	IR					0116	0017	0118	0019	0120	0021

FIG. 6

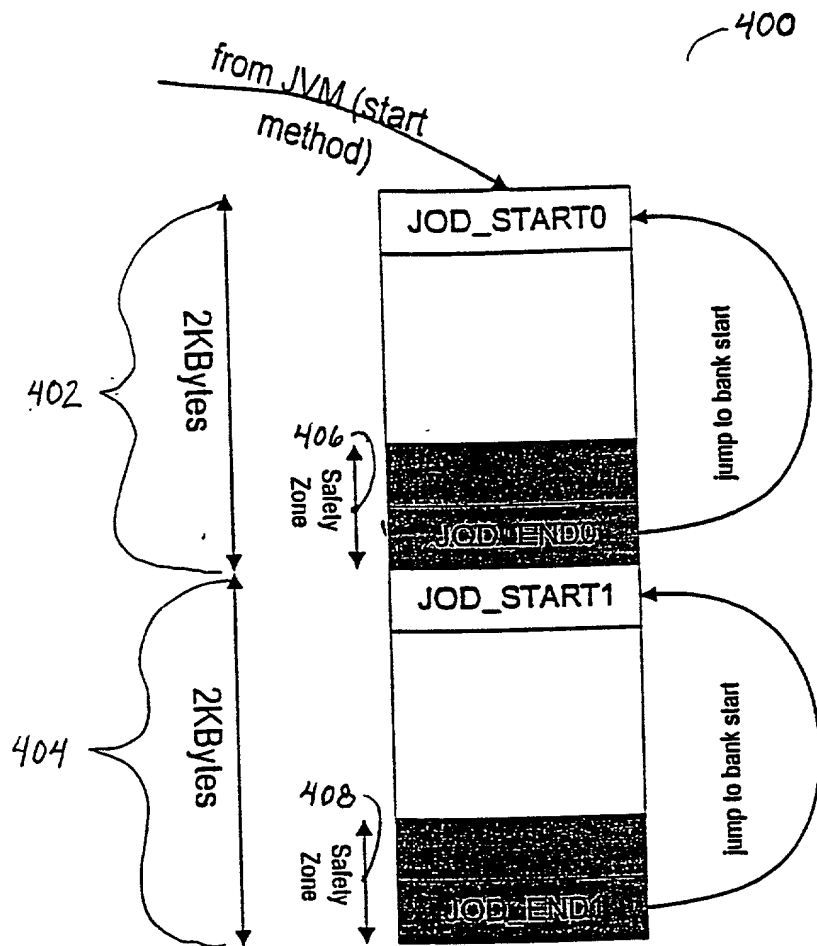
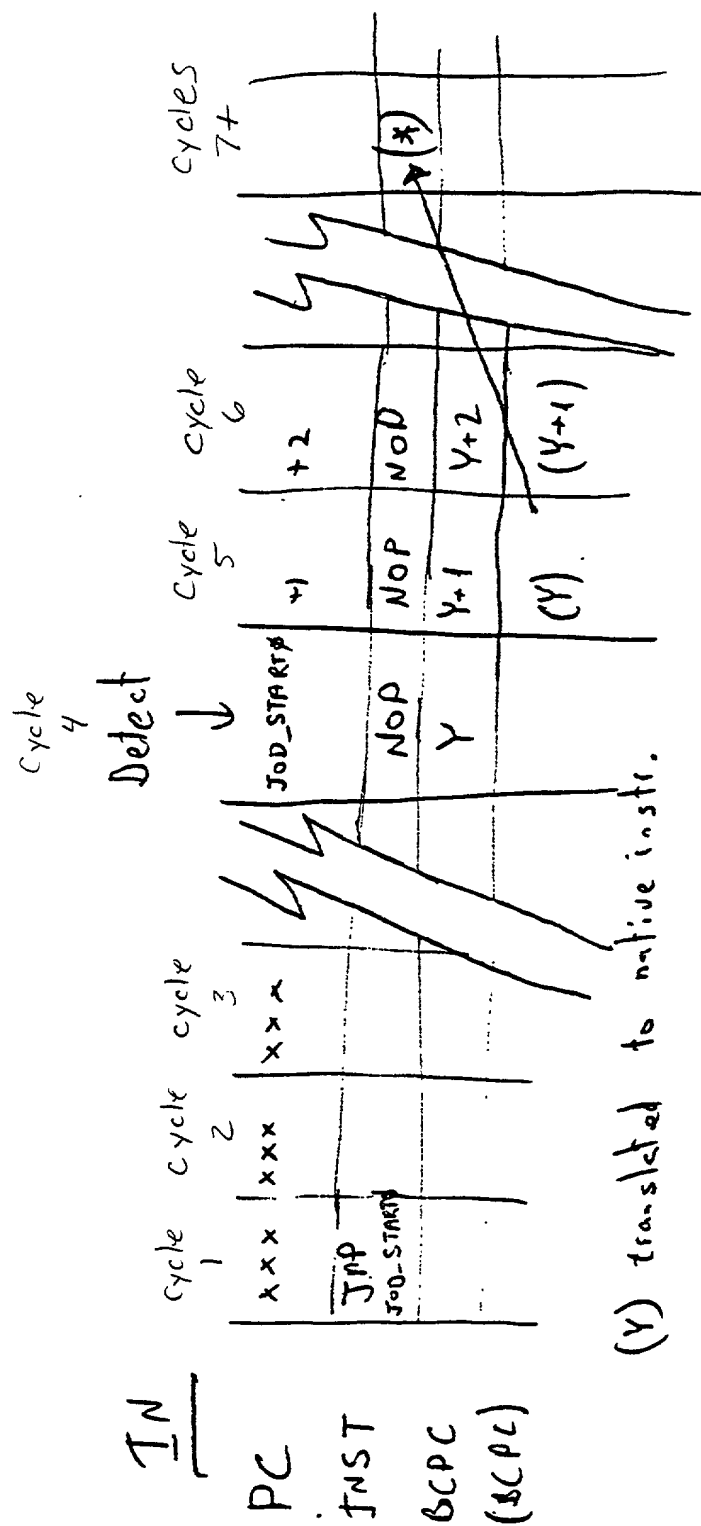


FIG. 8



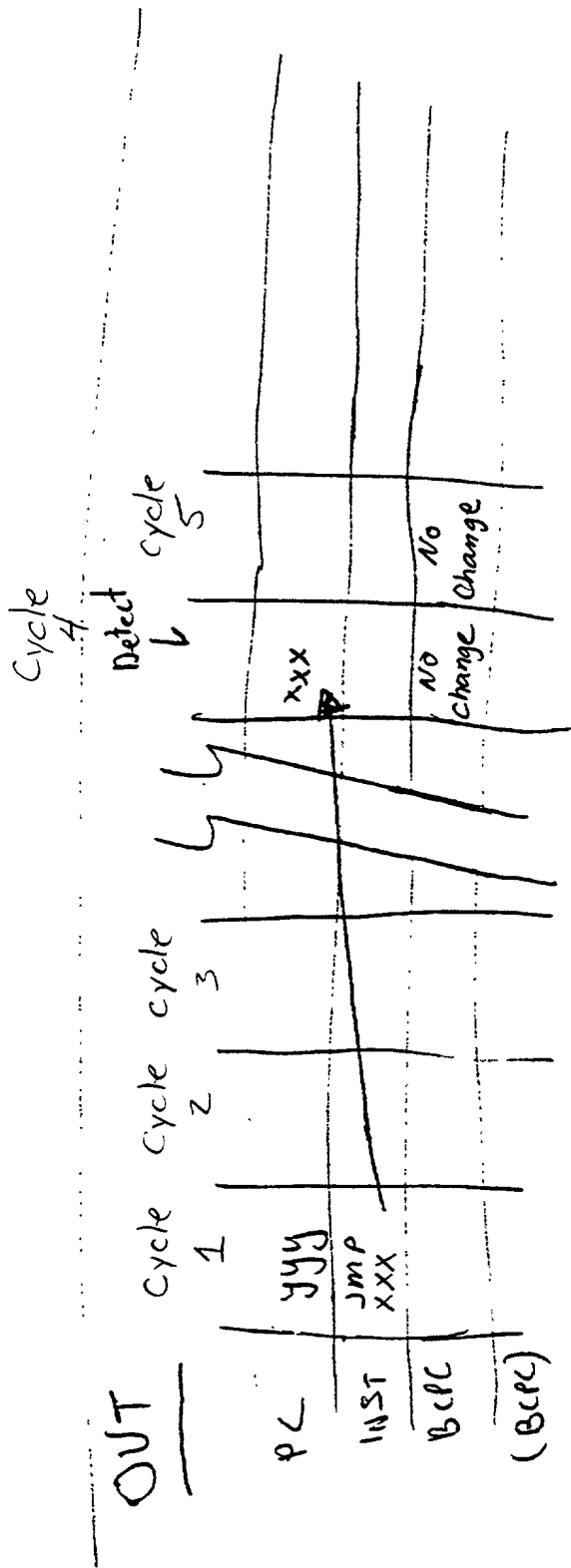


FIG. 9b

BC JUMP

detect discontinuity
= branch taken

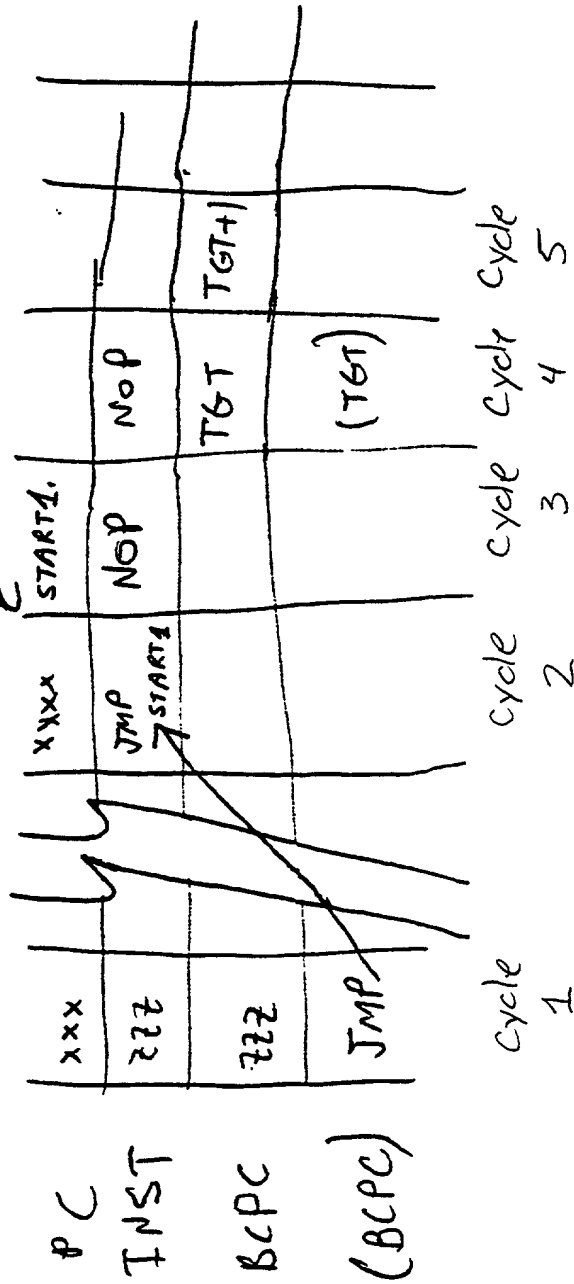


FIG. 10

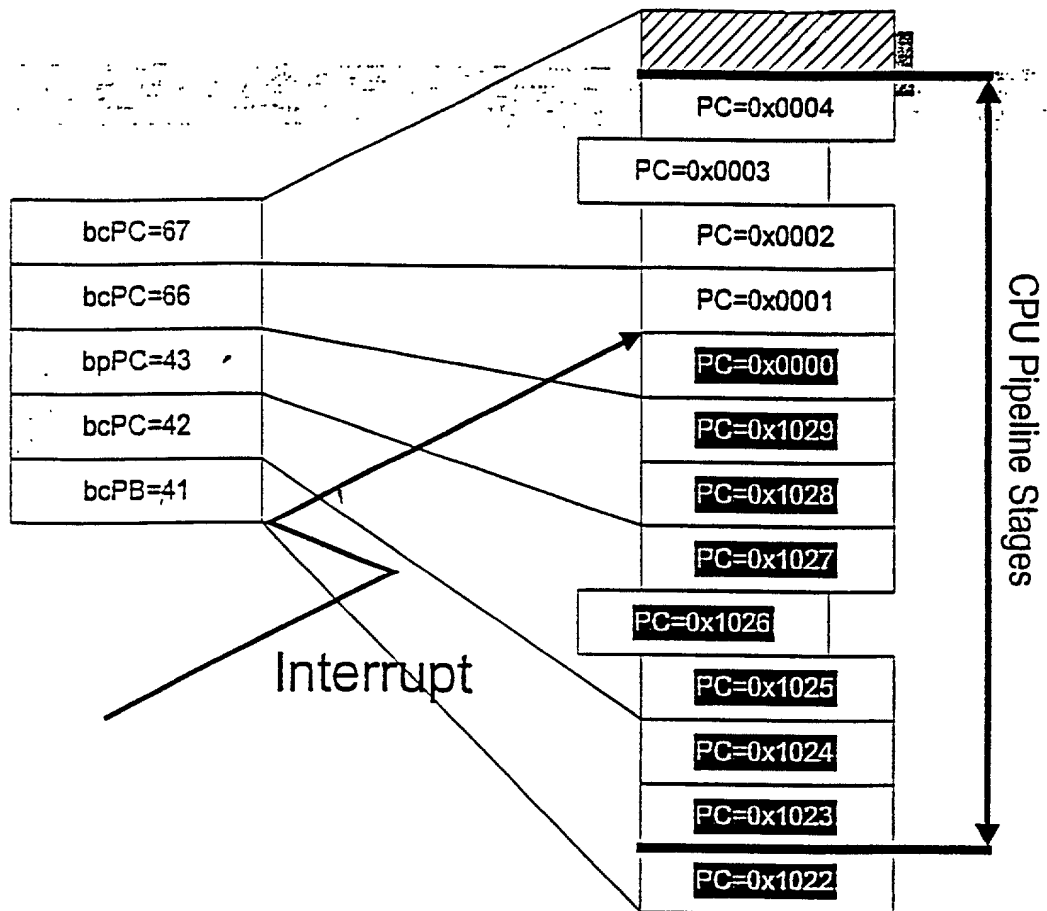


FIG. 11